

TITLE 14, CALIFORNIA CODE OF REGULATIONS
SUBDIVISION 4. OFFICE OF SPILL PREVENTION AND RESPONSE
CHAPTER 4. VESSEL REQUIREMENTS
SUBCHAPTER 2. TANK VESSEL ESCORT PROGRAM
FOR THE LOS ANGELES AND LONG BEACH HARBOR
SECTION 851.23
Proposed Amendments - February 4, 2004

851.23 Requirements for Escort Tugs ; Bollard Pull Testing and Certification, Equipment Requirements, Crew and Training Standards.

Subsections 851.23(a) through (b): No change

- (c) Crew Requirements for Escort Tugs: Any escort tugs used to comply with the requirements of this subchapter shall meet crew standards as follows:
- (1) Licensed and unlicensed crewmembers shall conform to federal regulations in regard to hours of work. Working hours shall include any administrative duties associated with the tug whether performed on board the tug or on shore. Hours of rest shall be in accordance with the International Convention on Standards of Training, Certification, and Watchkeeping for Seafarers 95 (STCW) standard.
 - (2) An escort tug, during escort and assist operations required by this subchapter, shall have a minimum of three crewmembers on board ready to respond at the tug master's discretion during an escort transit. At least one crewmember shall be capable of resolving mechanical difficulties aboard an escort tug in the event of an emergency.
 - (3) The Administrator may review the equipment and crew on an escort tug to assure compliance with this subsection.
 - ~~(4) Escort tug crew members shall be certified pursuant to applicable federal laws.~~
 - ~~(2) An escort tug shall have sufficient and qualified line handling capable crew members standing by and available to immediately receive lines from the tank vessel. The crew shall not be assigned duties that would interfere with their ability to immediately respond to an emergency situation.~~
- (d) Training requirements for the crew of any escort tug used to comply with the requirements of this subchapter shall include, but are not limited to:
- (1) Demonstrable skills that satisfy federal requirements (46 CFR, Section 10.464) for towing vessel licensure, and the following training elements (with refresher training every 5 years):

(A) Masters/Mates:

1. Bridge management training;
2. Radar training;
3. Navigation/boat handling training or proficiency evaluation, including Rules of the Road refresher training;
4. Company policy and procedure orientation, including review of international, federal and state requirements;
5. Marine firefighting/fire prevention;
6. Personal safety, including:
 - i. First aid and CPR certification;
 - ii. Confined space hazard awareness;
 - iii. Injury prevention;
 - iv. Cargo knowledge/hazard awareness.
7. Responsibility and authority of master including supervisory skills training;
8. Recency, as required by federal law (46 CFR 15.812) to serve as pilot on non-self propelled tank vessels;
9. Knowledge of local geography:
 - i. Terminal location and approaches;
 - ii. Anchorages;
 - iii. Tanker routes.

(B) Crew members, other than masters/mates:

1. Deck equipment operations and safety training;
2. Company policy and procedure orientation, which shall include a review of applicable international, federal and state requirements;
3. Vessel firefighting/fire prevention;
4. Personal safety, including:
 - i. First aid and CPR certification;
 - ii. Confined space hazard awareness;
 - iii. Injury prevention;
 - iv. Lock-out/tag-out procedure.
5. Marine diesel operations training, including engine room equipment and alarms.

In addition to the subjects listed above within this Subsection (B) crew members, other than masters and mates, shall demonstrate their ability to operate in place of the master/mate in an emergency situation, when the master/mate is unable for any reason to operate in his/her capacity.

(C) All crew members:

1. Employee orientation, including:

- i. Drug and alcohol policy;
- ii. Safety as a condition of employment;
- iii. Vessel layout/deck operations;
- iv. Required safety gear;
- v. Job responsibilities.

2. Emergency procedures orientation:

- i. Fire;
- ii. Collision/allision;
- iii. Sinking;
- iv. Grounding;
- v. Man overboard;
- vi. Personal injury;
- vii. Oil spill reporting.

3. Knowledge and use of tug escorts:

- i. How to use an escort tug to reduce the risk of grounding or collision of an escorted vessel;
- ii. The roles of the tug (as servant of the vessel) and the pilot during escorts;
- iii. The primacy of safety of life and the escort tug;

4. Capabilities and performance limitations of the escort tug, including but not limited to:

- i. Handling and performance characteristics of escort tugs (e.g., stability, hydrodynamics, tripping, etc.);
- ii. Propulsion type;
- iii. Force capabilities;
- iv. Line and connection system integrity;
- v. Navigation systems.

(2) Training required as a condition of U. S. Coast Guard licensure (e.g., firefighting) may be used to satisfy the training specifications listed in Subsection (d)(1) above, as appropriate.

(3) Compliance with the crew training and qualification requirements listed in Subsection (d)(1) above shall be verified as follows:

(A) Companies that comply with the International Convention on Standards of Training, Certification, and Watchkeeping for Seafarers (STCW) certification and have a Safety Management System (SMS) in place shall provide internal audit reports and STCW training certificates to the Administrator upon request; or

(B) Companies that are not STCW certified, but which have a SMS in place shall request approval from the Administrator by providing all of the following:

1. Details of their training program; and
2. Certified audit reports; and
3. Demonstrating proficiency when deemed necessary by the Administrator.

Authority: Sections 8670.17.2 and 8670.23.1, Government Code.

Reference: 8670.17.2, Government Code.